

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08411-032002	Application No. 10/799,870
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant David A. Wright et al.	
		Filing Date March 12, 2004	Group Art Unit 1636

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>h</i>	AA	6,559,359	05/06/03	Laten			
	AB						
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>h</i>	AQ	Vershinin et al., "LINEs and gypsy-like retrotransposons in <i>Hordeum</i> species," <u>Plant Molecular Biology</u> , 2002, 49:1-14
	AR	
	AS	
	AT	

Examiner Signature <i>David Wright</i>	Date Considered <i>1/25/05</i>
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<i>02</i>	AA	4,683,195	07/28/87	Mullis et al.			
<i>02</i>	AB	4,873,191	10/10/89	Wagner et al.			
<i>01</i>	AC	5,070,020	12/03/91	Ingolia et al.			
<i>01</i>	AD	5,204,253	04/20/93	Sanford et al.			
<i>01</i>	AE	5,252,726	10/12/93	Wöldike			
<i>01</i>	AF	5,792,932	08/11/98	Marco et al.			
<i>01</i>	AG	5,866,793	02/02/99	Baga et al.			
<i>01</i>	AH	6,005,092	12/21/99	Shoseyov et al.			
<i>01</i>	AI	6,013,863	01/11/00	Lundquist et al.			
<i>01</i>	AJ	6,054,635	04/25/00	Bestwick et al.			
<i>01</i>	AK	6,184,443	02/06/01	Pedersen et al.			
<i>01</i>	AL	6,331,662	12/18/01	Wright et al.			

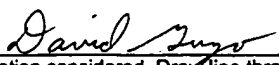
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<i>02</i>	AN	GenBank Accession No. AB005247 dated 02/14/04
<i>01</i>	AO	GenBank Accession No. AB005248 dated 02/14/04
<i>01</i>	AP	GenBank Accession No. AF096096 dated 01/25/99
<i>01</i>	AQ	GenBank Accession No. AF129516 dated 04/06/99
<i>01</i>	AR	GenBank Accession No. AF233296 dated 04/24/00
<i>01</i>	AS	GenBank Accession No. AJ000640 dated 05/27/98
<i>01</i>	AT	GenBank Accession No. AL161566 dated 03/16/00
<i>01</i>	AU	GenBank Accession No. B62585 dated 11/20/97
<i>02</i>	AV	GenBank Accession No. D50643 dated 03/23/02

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JC	AW	GenBank Accession No. J02798 dated 10/11/01
JC	AX	GenBank Accession No. J05212 dated 06/01/95
01	AY	GenBank Accession No. K00821 dated 04/27/93
01	AZ	GenBank Accession No. L05934 dated 10/22/93
01	AAA	GenBank Accession No. M28156 dated 10/06/94
01	ABB	GenBank Accession No. M63985 dated 04/27/93
01	ACC	GenBank Accession No. S44893 dated 05/08/93
01	ADD	GenBank Accession No. U09119 dated 07/24/01
01	AEE	GenBank Accession No. U39944 dated 02/04/03
01	AFF	GenBank Accession No. U68402 dated 11/04/96
01	AGG	GenBank Accession No. U76670 dated 01/23/97
01	AHH	GenBank Accession No. U93215 dated 02/27/02
01	AII	GenBank Accession No. X15121 dated 02/10/99
JC	AJJ	GenBank Accession No. Z17657 dated 11/10/92
02	AKK	Abler et al., "Isolation and characterization of a genomic sequence encoding the maize <i>Cat3</i> catalase gene," <i>Plant Mol. Biol.</i> , 1993, 22:1031-1038
02	ALL	Altschul et al., "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> , 1990, 215:403-410
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01	APP	Bossinger and Smyth, "Initiation patterns of flower and floral organ development in <i>Arabidopsis thaliana</i> ," <i>Development</i> , 1996, 122:1093-1102
01	AQQ	Boyko et al., "A high-density cytogenetic map of the <i>Aegilops tauschii</i> genome incorporating retrotransposons and defense-related genes: insights into cereal chromosome structure and function," <i>Plant Mol. Biol.</i> , 2002, 48:767-790
01	ARR	Braiterman and Boeke, "Tyl In Vitro Integration: Effects of Mutations in <i>cis</i> and in <i>trans</i> ," <i>Mol. Cell. Biol.</i> , 1994, 14:5731-5740
01	ASS	Brunak et al., "Prediction of Human mRNA Donor and Acceptor Sites from the DNA Sequence," <i>J. Mol. Biol.</i> , 1991, 220:49-65
01	ATT	Busk et al., "Regulatory elements <i>in vivo</i> in the promoter of the abscisic acid responsive gene <i>rab17</i> from maize," <i>Plant J.</i> , 1997, 11:1285-1295

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82	AUU	Bustos et al., "Regulation of $\beta$ -Glucuronidase Expression in Transgenic Tobacco Plants by an A/T-Rich, cis-Acting Sequence Found Upstream of a French Bean $\beta$ -Phaseolin Gene," <u>Plant Cell</u> , 1989, 1:839-853
87	AVV	Casal et al., "Different Phototransduction Kinetics of Phytochrome A and Phytochrome B in <i>Arabidopsis thaliana</i> ," <u>Plant Physiol.</u> , 1998, 116:1533-1538
07	AWW	Chapman et al., "Initiator methionine tRNA is essential for Ty1 transposition in yeast," <u>Proc. Natl. Acad. Sci. USA</u> , 1992, 89:3236-3240
07	AXX	Chavanne et al., "Structure and evolution of <i>Cyclops</i> : a novel giant retrotransposition of the Ty3/Gypsy family highly amplified in pea and other legume species," <u>Plant Mol. Biol.</u> , 1998, 37:363-375
87	AYY	Chen et al., "Construction of a Soybean Genomic & Root cDNA Library from <i>Phytophthora</i> Resistance Line L85-3044," <u>Soybean Genetics Newsletter</u> , 1998, 25:132-135
87	AZZ	Choi et al., "DEMETER, a DNA Glycosylase Domain Protein, Is Required for Endosperm Gene Imprinting and Seed Viability in <i>Arabidopsis</i> ," <u>Cell</u> , 2002, 110:33-42
07	AAAA	Choi et al., "Tissue-specific and developmental regulation of a gene encoding a low molecular weight sulfur-rich protein in soybean seeds," <u>Mol. Gen. Genet.</u> , 1995, 246:266-268
07	ABBB	Christou et al., "Stable transformation of soybean by electroporation and root formation from transformed callus," <u>Proc. Natl. Acad. Sci. USA</u> , 1987, 84:3962-3966
07	ACCC	Church and Gilbert, "Genomic sequencing," <u>Proc. Natl. Acad. Sci. USA</u> , 1984, 81:1991-1995
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87	AEEE	Daboussi, "Fungal transposable elements and genome evolution," <u>Genetica</u> , 1997, 100:253-260
87	AFFF	Dasgupta et al., "Cloning and sequencing of 5' flanking sequence from the gene encoding 2S storage protein, from two <i>Brassica</i> species," <u>Gene</u> , 1993, 133:301-302
07	AGGG	de Castro et al., "Spatial and Temporal Gene Expression Patterns Occur during Corm Development," <u>Plant Cell</u> , 1992, 4:1549-1559
07	AHHH	Devereux et al., "A comprehensive set of sequence analysis programs for the VAX," <u>Nucl. Acids. Res.</u> , 1984, 12:387-395
07	AIII	Di Laurenzio et al., "The SCARECROW Gene Regulates an Asymmetric Cell Division that is Essential for Generating the Radial Organization of the <i>Arabidopsis</i> Root," <u>Cell</u> , 1996, 86:423-433
87	AJJJ	Ellis et al., "Polymorphism of insertion sites of Ty1-copia class retrotransposon and its use for linkage and diversity analysis in pea," <u>Mol. Gen. Genet.</u> , 1998, 260:9-19
11	AKKK	Enjuto et al., "Expression of the <i>Arabidopsis</i> HMG2 Gene, Encoding 3-hydroxy-3-Methylglutaryl Coenzyme A Reductase, Is Restricted to Meristematic and Floral Tissues," <u>Plant Cell</u> , 1995, 7:517-527
87	ALLL	Ficker et al., "A promoter directing high level expression in pistils of transgenic plants," <u>Plant Mol. Biol.</u> , 1997, 35:425-431
87	AMMM	Flavell et al., "Retrotransposon-based insertion polymorphisms (RBIP) for high throughput marker analysis," <u>Plant J.</u> , 1998, 16(5):643-650
87	ANNN	Grandbastien, "Retroelements in higher plants," <u>TIG</u> , 1992, 8(3):103-108
07	AOOO	Granger et al., "Isolation of an <i>Arabidopsis</i> homologue of the maize homeobox <i>Knotted-1</i> gene," <u>Plant Mol. Biol.</u> , 1996, 31:373-378

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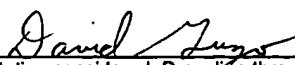
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02	APPP	Green et al., "Binding site requirements for pea nuclear protein factor GT-1 correlate with sequences required for light-dependent transcriptional activation of the <i>rbcS-3A</i> gene," <u>EMBO J.</u> , 1988, 7:4035-4044
01	AQQQ	Guerrero et al., "Promoter sequences from a maize pollen-specific gene direct tissue-specific transcription in tobacco," <u>Mol. Gen. Genet.</u> , 1990, 224:161-168
01	ARRR	Gustafson-Brown et al., "Regulation of the Arabidopsis Floral Homeotic Gene <i>APETALA1</i> ," <u>Cell</u> , 1994, 76:131-143
01	ASSS	Hake et al., "Homeobox genes in the functioning of plant meristems," <u>Phil. Trans. R. Soc. Lond. B.</u> , 1995, 350:45-51
01	ATTT	Hansen et al., "Wound-inducible and organ-specific expression of ORF13 from <i>Agrobacterium rhizogenes</i> 8196 T-DNA in transgenic tobacco plants," <u>Mol. Gen. Genet.</u> , 1997, 254:337-343
01	AUUU	Hebsgaard et al., "Splice site prediction in <i>Arabidopsis thaliana</i> pre-mRNA by combining local and global sequence information," <u>Nucl. Acids Res.</u> , 1996, 24:3439-3452
01	AVVV	Hofmann and Stoffel, "A Database of Membrane Spanning Protein Segments," <u>J. Biol. Chem.</u> , 1993, 374:166, Abstract No. MF C-35
01	AWWW	Hu et al., " <i>Zeon-1</i> , a member of a new maize retrotransposon family," <u>Mol. Gen. Genet.</u> , 1995, 248:471-480
01	AXXX	Jofuku et al., "Control of Arabidopsis Flower and Seed Development by the Homeotic Gene <i>APETALA2</i> ," <u>Plant Cell</u> , 1994, 6:1211-1225
01	AYYY	Jordano et al., "A Sunflower Helianthinin Gene Upstream Sequence Ensemble Contains an Enhancer and Sites of Nuclear Protein Interaction," <u>Plant Cell</u> , 1989, 1:855-866
01	AZZZ	Josefsson et al., "Structure of a Gene Encoding the 1.7 S Storage Protein, Napin, from <i>Brassica napus</i> ," <u>J. Biol. Chem.</u> , 1987, 262:12196-12201
01	AAAAA	Kerstetter et al., "Sequence Analysis and Expression Patterns Divide the Maize <i>knotted1</i> -like Homeobox Genes into Two Classes," <u>Plant Cell</u> , 1994, 6:1877-1887
01	ABBBB	Kim et al., "Nuclear protein factors binding to a class I patatin promoter region are tuber-specific and sucrose-inducible," <u>Plant Mol. Biol.</u> , 1994, 26:603-615
01	ACCCC	Koltunow et al., "Different Temporal and Spatial Gene Expression Patterns Occur during Anther Development," <u>Plant Cell</u> , 1990, 2:1201-1224
01	ADDDD	Kulikauskas and McCormick, "Identification of the tobacco and <i>Arabidopsis</i> homologues of the pollen-expressed LAT59 gene of tomato," <u>Plant Mol. Biol.</u> , 1997, 34:809-814
01	AEEEE	Kumagai et al., "Cytoplasmic inhibition of carotenoid biosynthesis with virus-derived RNA," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 92:1679-1683
01	AFFFF	Kumar and Bennetzen, "Plant Retrotransposons," <u>Annu. Rev. Genet.</u> , 1999, 33:479-532
01	AGGGG	Lee and Huang, "Genes encoding oleosins in maize kernel of inbreds Mo17 and B73," <u>Plant Mol. Biol.</u> , 1994, 26:1981-1987
01	AHHHH	Li et al., "A novel <i>myb</i> -related gene from <i>Arabidopsis thaliana</i> ," <u>FEBS Lett.</u> , 1996, 379:117-121
01	AIIII	Lincoln et al., "A <i>knotted1</i> -like Homeobox Gene in Arabidopsis Is Expressed in the Vegetative Meristem and Dramatically Alters Leaf Morphology When Overexpressed in Transgenic Plants," <u>Plant Cell</u> , 1994, 6:1859-1876
02	AJJJJ	Lo, "Transformation by Iontophoretic Microinjection of DNA: Multiple Integrations Without Tandem Insertions," <u>Mol. Cell. Biol.</u> , 1983, 3:1803-1814

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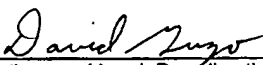
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02	AKKKK	Long et al., "A member of the KNOTTED class of homeodomain proteins encoded by the <i>STM</i> gene of <i>Arabidopsis</i> ," <i>Nature</i> , 1996, 379:66-69
07	ALLLL	Lotan et al., " <i>Arabidopsis</i> LEAFY COTYLEDON1 Is Sufficient to Induce Embryo Development in Vegetative Cells," <i>Cell</i> , 1998, 93:1195-1205
07	AMMMM	Lowe and Eddy, "tRNAscan-SE: a program for improved detection of transfer RNA genes in genomic sequence," <i>Nucl. Acids Res.</i> , 1997, 25:955-964
07	ANNNN	Malik et al., "Poised for Contagion: Evolutionary Origins of the Infectious Abilities of Invertebrate Retroviruses," <i>Genome Res.</i> , 2000, 10:1307-1318
07	AOOOO	Mandel et al., "Molecular characterization of the <i>Arabidopsis</i> floral homeotic gene <i>APETALA1</i> ," <i>Nature</i> , 1992, 360:273-277
07	APPPP	Marquet et al., "tRNAs as primer of reverse transcriptases," <i>Biochimie</i> , 1995, 77:113-124
07	AQQQQ	Martin et al., "Identification of mutants in metabolically regulated gene expression," <i>Plant J.</i> , 1997, 11:53-62
07	ARRRR	Matsuoka et al., "The promoters of two carboxylases in a C <sub>4</sub> plant (maize) direct cell-specific, light-regulated expression in a C <sub>3</sub> plant (rice)," <i>Plant J.</i> , 1994, 6:311-319
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07	ATTTT	Meier et al., "The tomato RBCS3A promoter requires integration into the chromatin for correct organ-specific regulation," <i>FEBS Lett.</i> , 1997, 415:91-95
07	AUUUU	Meinkoth et al., "Hybridization of Nucleic Acids Immobilized on Solid Supports," <i>Anal. Biochem.</i> , 1984, 138:267-284
07	AVVVV	Nakai and Horton, "PSORT: a program for detecting sorting signals in proteins and predicting their subcellular localization," <i>TIBS</i> , 1999, 24:34-35
07	AWWWW	Paul et al., "The isolation and characterization of the tapetum-specific <i>Arabidopsis thaliana</i> A9 gene," <i>Plant Mol. Biol.</i> , 1992, 19:611-622
02	AXXXX	Pearce et al., "Pea Ty1- <i>copia</i> group retrotransposons: transpositional activity and use as markers to study genetic diversity in <i>Pisum</i> ," <i>Mol. Gen. Genet.</i> , 2000, 263:898-907
07	AYYYY	Pearce et al., "Rapid isolation of plant Ty1- <i>copia</i> group retrotransposon LTR sequences for molecular marker studies," <i>Plant J.</i> , 1999, 19:711-717
07	AZZZZ	Peleman et al., "Transient occurrence of extrachromosomal DNA of an <i>Arabidopsis thaliana</i> transposon-like element, <i>Tat1</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1991, 88:3618-3622
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07	ACCCCC	Purugganan and Wessler, "Transposon signatures: species-specific molecular markers that utilize a class of multiple-copy nuclear DNA," <i>Molecular Ecology</i> , 1995, 4:265-269
07	ADDDDD	Ray, " <i>Arabidopsis</i> floral homeotic gene ( <i>BEL1</i> ) controls ovule development through negative regulation of AGAMOUS gene (AG)," <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91:5761-5765
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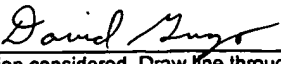
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02	AFFFFF	Rost et al., "Taxonomy of Retroviruses," <u>Molecular Biology of Tumor Viruses – RNA Tumor Viruses</u> , 1984, 2 <sup>nd</sup> edition, Weiss et al. (eds.), Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 25-207
01	AGGGGG	Rost et al., "Transmembrane helices predicted at 95% accuracy," <u>Prot. Science</u> , 1995, 4:521-533
01	AHHHHH	Saitou and Nei, "The Neighbor-joining Method: A New Method for Reconstructing Phylogenetic Trees," <u>Mol. Biol. Evol.</u> , 1987, 4:406-425
01	AIIIII	SanMiguel et al., "Nested Retrotransposons in the Intergenic Regions of the Maize Genome," <u>Science</u> , 1996, 274:765-768
01	AJJJJJ	Sheridan et al., "The <i>mac1</i> Gene: Controlling the Commitment to the Meiotic Pathway in Maize," <u>Genetics</u> , 1996, 142:1009-1020
01	AKKKKK	Shiina et al., "Identification of Promoter Elements Involved in the Cytosolic Ca <sup>2+</sup> -Mediated Photoregulation of Maize <i>cab-m1</i> Expression," <u>Plant Physiol.</u> , 1997, 115:477-483
01	ALLLLL	Sjödahl et al., "Deletion analysis of the <i>Brassica napus</i> cruciferin gene <i>cru 1</i> promoter in transformed tobacco: promoter activity during early and late stages of embryogenesis is influenced by <i>cis</i> -acting elements in partially separate regions," <u>Planta</u> , 1995, 197:264-271
01	AMMMMM	Smyth et al., "Plant retrotransposon from <i>Lilium henryi</i> is related to <i>Ty3</i> of yeast and the gypsy group of <i>Drosophila</i> ," <u>Proc. Natl. Acad. Sci. USA</u> , 1989, 86:5015-5019
01	ANNNNN	Su and Brown, " <i>Ty3/gypsy</i> -like Retrotransposon Sequences in Tomato," <u>Plasmid</u> , 1997, 38:148-157
01	AOOOOO	Thompson et al., "CLUSTAL W: improving the sensitivity of progressive multiple sequence alignment through sequence weighting, position-specific gap penalties and weight matrix choice," <u>Nucl. Acids. Res.</u> , 1994, 22:4673-4680
01	APPPPP	Thompson et al., "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells," <u>Cell</u> , 1989, 56:313-321
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01	ARRRRR	Tinland et al., " <i>Agrobacterium tumefaciens</i> transfers single-stranded transferred DNA (T-DNA) into the plant cell nucleus," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, 91:8000-8004
01	ASSSSS	Töpfer et al., "Uptake and Transient Expression of Chimeric Genes in Seed-Derived Embryos," <u>Plant Cell</u> , 1989, 1:133-139
01	ATTTTT	Treacy et al., " <i>Bnm 1</i> , a <i>Brassica</i> pollen-specific gene," <u>Plant Mol. Biol.</u> , 1997, 34:603-611
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01	AYYYYY	Verbruggen et al., "Osmoregulation of a Pyrroline-5-Carboxylate Reductase Gene in <i>Arabidopsis thaliana</i> ," <u>Plant Physiol.</u> , 1993, 103:771-781
02	AZZZZZ	Verdaguer, "Isolation and expression in transgenic tobacco and rice plants, of the cassava vein mosaic virus (CVMV) promoter," <u>Plant Mol. Biol.</u> , 1996, 31:1129-1139

Examiner Signature 	Date Considered 1/25/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08411-032002	Application No. 10/799,870
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David A. Wright et al.	
		Filing Date March 12, 2004	Group Art Unit 1636

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
82	AAAAAA	Vicient et al., "Envelope-Class Retrovirus-Like Elements Are Widespread, Transcribed and Spliced, and Insertionally Polymorphic in Plants," <u>Genome Res.</u> , 2001, 11:2041-2049
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